

REMARKS

Claims 1-36 are currently pending in the application. Claims 9-10, 15, and 23-24 have been amended. Each of these claims was previously independent and has now been made dependent on claim 1 to more clearly specify that they share common steps with claim 1. The amendments find support in the specification, and no new matter is added.

The Restriction Requirement

The claims have been restricted into Groups I-IV. Applicants respectfully traverse the restriction requirement on the grounds that it would not be an undue burden to examine all of claims 1-36. As the amendment of the claims illustrates, all of the claims share several fundamental steps. Therefore, references relevant to, for example, claim 1, is likely to be relevant to most or all of the claims.

Election

Applicants elect the claims of Group I for further prosecution. It is noted that the present amendment makes all of the pending claims dependent on claim 1. Since claim 1 is generic to all the claims, Applicants request rejoiner of all the claims once claim 1 has been found to be allowable.

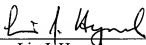
Further, election of a single species from Species A, B, and C for initial examination is required. Regarding Species A, Applicants elect the following traits: claim 5, 11, 16, and 25 – total distance traveled over a defined period of time; claims 7, 13, 18, and 27 – movement of one insect toward or away from another insect; claims 8, 14 19, and 28 – the morphological trait is

shape of the eye. Regarding Species B, Applicants elect the following measuring data: claims 6, 12, 17, and 26 – speed. Regarding Species C, Applicants elect the following reference population: claim 35 -- flies not contacted with a test agent; claim 36 – flies comprising a mutation not contacted with a test agent.

Applicants submit that all claims are allowable as written and respectfully request early favorable action by the Examiner. If the Examiner believes that a telephone conversation with Applicant's attorney would expedite prosecution of this application, the Examiner is cordially invited to call the undersigned attorney of record.

Respectfully submitted,

Date: 19 October 2005



Name: Lin J. Hymel
Registration No.: 45,414
Customer No.: 29933
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel. (617) 239-0100